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McDaniel et al.

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(54) **DEFLECTABLE CATHETER WITH HINGE**

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USPC 606/41, 45, 47, 49
See application file for complete search history.

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(57) **ABSTRACT**

A deflectable device, such as a catheter, is provided that includes a hinge that enhances the ability of the device to deflect or bend within a predetermined plane. The catheter comprises an elongated tubular catheter body having proximal and distal ends and at least one lumen extending therethrough. A distal segment is provided distal to the distal end of the catheter body. A tubular hinge is provided between the distal end of the catheter body and the proximal end of the distal segment. The hinge has an axis and at least one lumen extending therethrough. The tube includes at least one slot, and preferably a plurality of slots, extending part of the way through the hinge generally transverse to the axis of the hinge.

17 Claims, 9 Drawing Sheets

